Reviewer's report

Title: SLC5A2 mutations, including two novel mutations, responsible for renal glucosuria in Chinese families

Version: 2 Date: 07 Oct 2019

Reviewer: Leping Shao

Reviewer's report:

1. Regarding the nomenclature of variants, the use of the word "mutation" should be avoided.

2. According to current human gene nomenclature guidelines, protein (that not confirmed by functional study) nomenclature should use brackets.

3. There is no mention of which reference has been used in the Methods (page 5 line 5-6).

4. Page 5, line 48-49- "Fifty-five" should be "fifty-five".

5. Page 5, line 38-42- Spaces in "IVS-16 C&gt;A", "c.1540 C&gt;T" and "c.1152-63 del 12" should be removed, and in the rest of the manuscript. Besides, the description of "c.1152-63 del 12" is not standardized. All your mutation nomenclature should be consistent with the HGVS nomenclature guidelines. (http://varnomen.hgvs.org)

6. The authors state that the IVS1-16C&gt;A and c.886(-10_-31)del were reported in different ethnic origins in previous studies. the mutation frequency of c.886(-10_-31)del in Chinese population was as high as 32%, [see: Identification of ten novel SLC5A2 mutations and determination of the renal threshold for glucose excretion in Chinese patients with familial renal glucosuria.] but the authors did not find these variants in their previous study, I propose that the authors should rescreen them in their FRG patients of previous studies.

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